# WIRELESS LINK SIMULATION WITH GENERIC CACHING


## ABSTRACT OF THE DISCLOSURE

A simulation system includes a cache structure that stores determined characteristics related to the propagation of an event. If a similar event occurs, and the factors affecting the determination of these characteristics have not changed, the characteristics associated with the new event are retrieved from the cache, rather than being re-determined from the underlying factors. In the example of mobile transceivers, if multiple transceivers share a common set of underlying factors, the determined characteristics of one transceiver can be shared among all of the other transceivers. If the underlying factors are dependent upon geographic area, mobile transceivers that enter a geographic area having associated cached characteristics can use the cached characteristics of other transceivers that are, or had been, in the area. Because the cache process is structured to intercept a call to the routine that determines the characteristics, the modifications to a simulation system to incorporate this caching feature should be minimal.